

AMENDMENTS TO THE CLAIMS

Please amend claims as shown below.

Claim 1 (cancelled)

Claim 2 (currently amended): ~~A ceiling structure according to claim 1;~~ A ceiling structure comprising:

a number of sheets that span between parallel beams mounted underneath a fixed ceiling;

wherein the sheets can, by elastic deformation, be taken from an initial configuration to a desired curved configuration in which the sheets are intended to form the visible ceiling face;

wherein the sheets have a first expanse along the beams and a transverse second expanse;

wherein the sheets along said first expanse have edge portions configured for abutting on abutment areas on the beams;

wherein the ceiling structure also comprises force-transmitting means that are configured for cooperating with portions of the sheets, which portions are arranged between said edge portions, in order to provide, in combination with the abutment force of the sheets against the abutment areas, the flexural moment necessary for maintaining the desired curved configuration of the sheets; and

wherein the transverse second expanse is larger than the distance between the beams.

Claim 3 (currently amended): ~~A ceiling structure according to claim 2;~~ A ceiling structure comprising:

a number of sheets that span between parallel beams mounted underneath a fixed ceiling;

wherein the sheets can, by elastic deformation, be taken from an initial configuration to a desired curved configuration in which the sheets are intended to form the visible ceiling face;
wherein the sheets have a first expanse along the beams and a transverse second expanse;
wherein the sheets along said first expanse have edge portions configured for abutting on abutment areas on the beams;
wherein the ceiling structure also comprises force-transmitting means that are configured for cooperating with portions of the sheets, which portions are arranged between said edge portions, in order to provide, in combination with the abutment force of the sheets against the abutment areas, the flexural moment necessary for maintaining the desired curved configuration of the sheets;
wherein the transverse second expanse is larger than the distance between the beams; and
wherein the force-transmitting means are arranged between the beams.

Claim 4 (previously presented): A ceiling structure according to claim 3, wherein the force-transmitting means are arranged essentially centrally between the beams in order to cooperate with portions of the sheets located centrally between said edge portions.

Claim 5 (previously presented): A ceiling structure according to claim 4, wherein the force-transmitting means are configured as a part of the beams.

Claim 6 (previously presented): A ceiling structure according to claim 5, wherein the sheets assume an essentially planar initial configuration.

Claim 7 (previously presented): A ceiling structure according to claim 6, wherein the sheets form an upwardly arching face in the curved configuration, wherein said

abutment faces influence the sheets by a downwardly oriented force, while the force-transmitting means influence the sheets by an upwardly oriented force.

Claim 8 (currently amended): A ceiling structure according to claim 7, wherein a further system of parallel beams (20) is provided, said beams being mounted underneath said fixed ceiling (2) and comprising said force-transmitting means (22).

Claim 9 (previously presented): A ceiling structure according to claim 8, wherein the further system of parallel beams extends perpendicular to said first-mentioned parallel beams and are arranged above said abutment areas.

Claim 10 (previously presented): A ceiling structure according to claim 9, wherein the distance between the beams in the further system of parallel beams corresponds approximately to the first expanse of the sheets.

Claim 11 (previously presented): A ceiling structure according to claim 10, wherein the portions of the sheets that are arranged between said edge portions that cooperate with the force-transmitting means are arranged at the end edges of the sheets that extend in said transverse second expanse.

Claim 12 (previously presented): A ceiling structure according to claim 11, wherein the portions of the sheets that are arranged between said edge portions and cooperate with the force-transmitting means are configured as hook-like devices.

Claim 13 (previously presented): A ceiling structure according to claim 12, wherein the hook-like devices are integral parts of the sheets.

Claim 14 (previously presented): A ceiling structure according to claim 13, wherein the portions of the sheets that are arranged between said edge portions and cooperate with the force-transmitting means are configured as through-going openings in the sheets.

Claim 15 (previously presented): A ceiling structure according to claim 14, wherein the sheets, viewed in the initial configuration, comprises a centrally planar area with planar edge portions, said edge portions forming an angle relative to the central area.

Claim 16 (previously presented): A method of mounting a ceiling structure according to claim 15, wherein the edge portions of the sheets are first caused to abut on abutment areas on the beams; that the desired curvature is subsequently imparted to the sheets; and that the sheets are subsequently connected to said force-transmitting means.